

WHAT IS CLAIMED IS:

1. A photosensitive resin composition containing a high molecular compound having at least a) a fluoro aliphatic group, and b) a group represented by formula -L-P (wherein L represents a divalent organic group connected to the skeleton of the high molecular compound, and P represents an aromatic group having a carboxyl group at the ortho-position).

2. A photosensitive resin composition containing a high molecular compound having at least the constituting components represented by the following formulae (1), (2) and (3) as copolymer components, and o-quinonediazide compound:



wherein A represents a hydrogen atom or a methyl group; R' represents a single bond, $-(\text{CH}_2)_m-$, $-(\text{CH}_2)_m\text{NR}''\text{SO}_2-$, or $-(\text{CH}_2)_m\text{NR}''\text{CO}-$; m represents an integer of from 1 to 4; R'' represents a hydrogen atom or an alkyl group; R₂ represents C_nF_{2n+1}; and n represents an integer of 3 or more;



wherein A represents a hydrogen atom or a methyl group; W represents an oxygen atom or -NR₃-; R₃ represents a hydrogen atom, an alkyl group, or an aryl group; R₁ represents an alkylene group or an arylene group, each of which may have a substituent; and R₂ represents a hydrogen atom, an alkyl group, or an aryl group;



wherein A represents a hydrogen atom or a methyl group; W represents an oxygen atom or $-\text{NR}_1-$; R_1 represents a hydrogen atom, an alkyl group, or an aryl group; and R_2 represents an aliphatic group having 9 or more carbon atoms, or an aromatic group substituted with an aliphatic group having 2 or more carbon atoms.

3. A photosensitive lithographic printing plate comprising a support having coated thereon a photosensitive layer containing the following components (a), (b) and (c),

- (a) an o-naphthoquinonediazide compound,
- (b) a resin soluble in an alkaline aqueous solution, and
- (c) a polymer having a (meth)acrylate monomer having two or three perfluoroalkyl groups having from 3 to 20 carbon atoms in the molecule as a polymer component.

4. The photosensitive lithographic printing plate as claimed in claim 3, wherein the polymer (c) is a copolymer of the a (meth)acrylate monomer having two or three perfluoroalkyl groups having from 3 to 20 carbon atoms in the molecule and a (meth)acrylate monomer having an OH group.

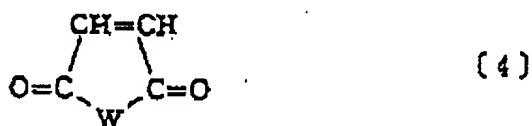
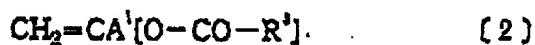
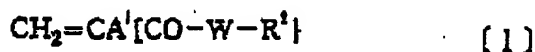
5. A positive type photosensitive composition for an infrared laser which comprises the following (a), (b) and (c):

- (a) a substance which absorbs a light and generates heat,
- (b) an alkaline aqueous solution-soluble resin having a phenolic hydroxyl group, and
- (c) a fluorine-containing polymer containing at least the

following (1), (2) and (3) as a copolymer component:

(1) an addition polymerizable fluorine-containing monomer having, at the side chain, a fluoro aliphatic group,

(2) a monomer represented by the following formula (1), (2), (3) or (4):



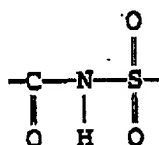
wherein A^1 represents a hydrogen atom, a halogen atom, or an alkyl group; W represents an oxygen atom or $-\text{NR}^1-$; R^1 represents a hydrogen atom, an alkyl group, or an aryl group; R^2 represents an alkyl group which may have a substituent, or an aryl group which may have a substituent; R^3 represents an alkyl group or an aryl group; U represents a cyano group, an aryl group, an alkoxyl group, an aryloxy group, an acyloxymethyl group, a nitrogen-containing heterocyclic group, or $-\text{CH}_2\text{OCOR}^3$ (wherein R^3 has the same meaning as above); and

(3) an addition polymerizable monomer having an acidic hydrogen atom and an acidic group, said acidic hydrogen atom being bonded to a nitrogen atom of the acidic group.

6. The positive type photosensitive composition for a laser beam as claimed in claim 5, wherein said positive type photosensitive composition further contains a copolymer containing at least one of the following (4), (5) and (6) in an amount of 10 mol% or more as a copolymer component:

(4) a monomer having a sulfonamido group in which at least one hydrogen atom is bonded on the nitrogen atom in one molecule,

(5) a monomer having an active imino group represented by the following formula in one molecule:



(6) acrylamide, methacrylamide, acrylic ester, methacrylic ester, or hydroxystyrene each having a phenolic hydroxyl group.